# Information Technology

## Total Participants

Over the eight month standards revision process, the Department involved:

- Approximately **40 Teachers** to give input, review, or discuss the revised standards
- **Key industry stakeholders** to review and give feedback on draft standards

## Results

Offerings in the Information Technology career cluster were critically evaluated and revised. The result of this effort includes the following proposed changes:

| Course Changes | | |
|---|---|---|
| Revised Courses | 2 | Cabling and Internetworking, Programming and Logic I |
| Replaced Courses | 5 | Computer Programming courses are now integrated into Programming and Logic; duplicative web page design courses are combined. |
| **Program of Study Changes** | | |
| Revised Programs of Study | 3 | Existing programs of study include revised courses |
| Replaced Programs of Study | 3 | Duplicative pathways for web design and communications have been removed. Computer Programming and Programming and Logic combined to remove redundancy. |

## Review Process: Research, Data Gathering, and Reviewers

Throughout the data gathering phase of the review, the Information Technology consultant referenced the following:

| | |
|---|---|
| **Nationally Recognized Sources Referenced** | • Certified Data Cabling Installer (DCI) Competency Requirements<br>• Network Cabling Technologies course syllabus, Broward Community College<br>• Job Corps Network Cable Installation career training program, U.S. Department of Labor<br>• Introduction to Network Cabling syllabus, Houston Community College Southwest |
| **Tennessee Educators** | 1. CTE Directors Survey – 2012<br>    • 95 responses<br>2. CTE Teachers Survey – 2013<br>    • 32 Information Technology Teacher responses<br>    • 5 Business Teacher responses specifically around IT courses<br>3. Experienced, Effective CTE Teacher Reviewers<br>    • 2 teacher reviewers<br>    • East and West<br>    • Average years of experience: 18.5 |
| **Business and Industry** | Industry Advisory Council recommendations, including specific comments from:<br>• Nashville State Community College<br>• Network Manager, Tennessee State University<br>• Computer Science Professor, Tennessee State University<br>• Computer Engineering Assistant Professor, Christian Brothers University<br>• IT Process Information Manager, International Paper |